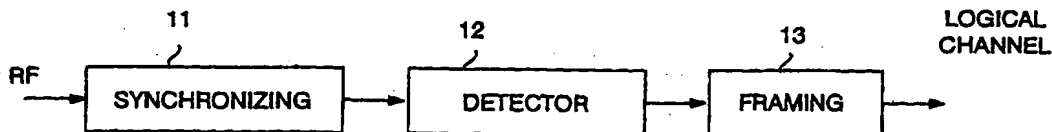




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>H04B 1/10</b>	<b>A2</b>	(11) International Publication Number: <b>WO 99/62190</b> (43) International Publication Date: 2 December 1999 (02.12.99)
(21) International Application Number: PCT/FI99/00443 (22) International Filing Date: 24 May 1999 (24.05.99) (30) Priority Data: 981152                      25 May 1998 (25.05.98)                      FI (71) Applicant (for all designated States except US): NOKIA NETWORKS OY [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI). (72) Inventor; and (75) Inventor/Applicant (for US only): HUTTUNEN, Mikko [FI/FI]; Teirintie 9 D 8, FIN-02770 Espoo (FI). (74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).		(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  Published <i>Without international search report and to be republished upon receipt of that report.</i>

(54) Title: DETECTION OF INTERFERING SIGNAL IN RADIO RECEIVER



## (57) Abstract

A method and equipment for detecting an interfering signal in a time division multiple access (TDMA) radio receiver, in which case samples are taken (50) from a received signal in symbol sequences over a TDMA timeslot (20, 21, 22), a signal path corresponding to the TDMA timeslot, or a portion thereof, is generated by a modulation detector (12), an error estimate representing the erroneousness of the signal path generated is determined (51), the error estimate is compared (52) with a predetermined threshold value, and the reception of the interfering signal is recognized (53) if the error estimate is greater than the predetermined threshold value.